MOTOROLA
intelligence everywhere™

THE POWER TOOL FOR CONTACT & CONTROL

GP308
A BASIC RADIO

GP308

The GP308 Professional Radio: A Basic Radio

The Perfect Balance Of Performance And Affordability

Better management of your business communications helps boost productivity and satisfies your customers' demands. Businesses need to respond quickly to changing situations, and getting the right message to the right person — right away. That's why Motorola developed the GP308 basic professional radio. By focusing on your essential communication requirements, we've been able to incorporate reliable performance and essential features - economically.

Whatever Your Business, The GP308 Keeps Everyone In Touch

The GP308 is a communication tool that can orchestrate your entire workforce for success wherever you are.

Construction

The durable and ruggedly designed GP308 improves the use of manpower and equipment — keeping the project on schedule and within budget. You can easily supervise and direct widely dispersed work crews, from crane operators to a brick layer. You are informed and in control at all times.

Private Security

When every second counts and the ability to respond to situation is critical, the reliable GP308 puts you in control of your operation at the touch of a button instantly. Whether performing on-site security or protecting tenant's safety in empty parking lots after office hour, you can rely on GP308 to provide you crystal clear audio reception for any efficient crisis operation.

Manufacturing

Increase productivity on the factory floor by equipping your workers with the GP308 two-way radios. Our rugged, operator-friendly radios help plant managers and line supervisors maintain contact and control even in noisy environments.

Hospitality

With appropriate headset accessories, the GP308 allows hands free operation that helps you serve your guests better with faster responses to requests and problems like - changing room assignments, addressing urgent conference room requests, and delivering personal items. In a service business where customer satisfaction is critical, two–way radios are key to share information, redeploying staff and coordination services.

GP308 KEY FEATURES AND BENEFITS:

X-Pand Audio Technology

Motorola special voice compression and expansion technology called X-PAND enables crisper, clearer and stronger audio quality, allowing messages to be heard even in a high noise environment.

Wide Band

Only one model is required in each individual frequency band:– 136-174 MHz, 403-470 MHz, 450-527 MHz, the radio allows users the flexibility to select their frequency for use in their respective work environment without the need to buy different frequency models. Thus reduce inventory cost and improve delivery cycle time.

Adjustable Power Level

Users can switch to a low power when communicating within limited range coverage or switch to a high power level when further distance is required. High transmit power maximise range coverage while low transmit power conserve battery consumption, all at the user's control.

Programmable Channel Spacing Of 12.5kHz/25 kHz Mode

Flexible and easy migration of multiple channel spacing of 12.5kHz, 20kHz, 25kHz within one radio means you do not need to purchase a new radio, protecting your investment as should your country's regulatory requirement changes.

Repeater Talk Around

Users have the freedom to communicate through a repeater for wide area coverage, or bypass a repeater and talk directly to another radio if the coverage is within the range or when the repeater malfunctions.

Tight/Normal Squelch

The radio's sensitivity can be regulated by selecting the appropriate squelch levels. Users have the flexibility to protect their communication by switching to tight squelch to filter out interference of unwanted weak signal; or normal squelch to increase coverage.

Cloning Operation

Easy transfer of essential operating features from one radio to another through a cloning cable without using computers to reprogramme the radios, enables improved efficiency.

Rapid Charger

A new 90-minute time saving rapid charger helps to improve productivity. This charger can also be used to charge both NiMH and NiCD battery. One charger fits all–Value for your money!

Other GP308 Features

- Priority scan
- Nuisance Channel Delete
- Busy channel lockout
- Time-out Timer

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GP308 Specifications

GENERAL – VHF, UHF					
*Frequency:	136 - 174 / 403 - 470 / 450 - 527				
Channel Capacity:	16 channels				
Power Supply:	7.5v +/- 20%				
DIMENSIONS:	(Radio footprint height excluding knobs)				
	H	**x**	**W**	**x**	**D**
With Standard NiMH Battery:	137 mm	x	57.5 mm	x	37.5 mm
With NiCd Battery:	137 mm	x	57.5 mm	x	40.0 mm
WEIGHT:					
With Standard NiMH Battery	429 g				
With NiCd Battery	454 g				
AVERAGE BATTERY LIFE @ 5/5/90 CYCLE	**Low Power**		**High Power**		
With Standard Capacity NiMH Battery:	10 hours		8 hours		
With NiCd Battery:	10 hours		8 hours		
Sealing:	Withstands rain testing per MIL-STD-810-C,D & E and IP54				
Shock and Vibration:	Protection provided via impact resistant housing exceeding MIL-STD-810-C,D & E and TIA/EIA 603				
Dust and Humidity:	Protection provided via environment resistant housing exceeding MIL-STD-810-C,D & E and TIA/EIA 603				

TRANSMITTER SPECIFICATION	**VHF / UHF**	**RECEIVER SPECIFICATION**	**VHF / UHF**
*Frequency:	136 -174 / 403 - 470 / 450 - 527	*Frequency:	136 - 174 / 403 - 470 / 450 - 527
Frequency Separation:	Full Bandsplit	Freq Stability (-30°C to 60°C):	0.00025%
Channel Spacing:	12.5/20/25kHz	Frequency Separation:	Full Bandsplit
Freq Stability (-30°C to 60°C, +25°CRef.):	+/- 0.00025%	Sensitivity (12 dB SINAD) (EIA):	.25 µV
Power:	5W – 136 -174 4W – 403 -470, 450 - 527	Intermodulation (EIA):	70dB
Modulation Limiting:	+/-2.5@ 12.5kHz, +/-4.0@ 20kHz,	Adjacent Channel Selectivity:	60dB@ 12.5kHz/70dB@ 25kHz
	+/- 5.0@ 25kHz	Spurious Rejection:	70dB
FM Hum & Noise:	-40dB	Rated Audio:	500mW
Conducted/Radiated Emission:	-66dBw	Audio Distortion:	3%
Modulation FCC Type:	12.5kHz 11K0F3E	Hum and Noise:	-45dB@ 12.5kHz, -50dB@ 25kHz
	25kHz 16K0F3E	Audio Response (300-3000Hz)	+1 to -3dB
Audio Response		Conducted Spurious Emission:	-57dBm<1GHz/-47dBm>1GHz/FCC Part 15
(from 6dB/octave pre-emphasis, 300 - 3000 Hz):	+1 to -3dB		
Audio Distortion:	3%		

* Availability subject to country law and regulations.
Radios meet applicable regulatory requirements.
All specifications shown are subject to change without notice. Specifications are not representative of all radios and may vary in different radios.

Portable Military Standards 810 C, D, & E

	810C		810D		810E	
Applicable MIL-STD	**Methods**	**Procedures**	**Methods**	**Procedures**	**Methods**	**Procedures**
Low Pressure	500.1	1	500.2	2	500.3	2
High Temp	501.1	1, 2	501.2	1, 2	501.3	1, 2
Low Temp	502.1	1	502.2	1, 2	502.3	1,2
Temp. Shock	503.1	1	503.2	1	503.3	1
Solar Radiation	505.1	1	505.2	1	505.3	1
Rain	506.1	1, 2	506.2	1, 2	506.3	1, 2
Humidity	507.1	2	507.2	2, 3	507.3	2, 3
Salt Fog	509.1	1	509.2	1	509.3	1
Dust	510.1	1	510.2	1	510.3	1
Vibration	514.2	8, 10	514.3	1	514.4	1
Shock	516.2	1, 2, 5	516.3	1, 4	516.4	1, 4

Microphone (Ear-set)
PMLN4294

Light Weight Headset with Swivel Boom Microphone
HMN9013

2-Wired Surveillance Earpiece with Combined Mic/PTT
HMN9754

Earset with Boom Mic and In-line PTT
PMMN4001

MAG ONE Remote Speaker Microphone
PMMN4008

NIMH High capacity Battery (Green)
PMNN4018

NICd High capacity Battery (Green)
PMNN4021

Hard Leather Case
RLN4865

Carry Case
RLN4868

Rapid-rate Desktop Charger - 230 Volt EU Plug
AZPMTN4036

Enhance Your Radio's Capabilities

A variety range of accessories is available so that the radios can be customised to meet your business needs. Adding the proper headsets, microphones, batteries, charger or carry case can enhance the productivity of the people who use two-way radios. Motorola original accessories are built with highest quality standards and are specially engineered to assure maximum performance of your radio, no matter what profession you're in.

Motorola: Reliability & Quality

ACCELERATED LIFE TESTING
Stringent Motorola's Accelerated Life Testing simulating five years of hard use in real life, EIA RS-316B in Shock, Vibration, Dust, Humidity, IP54 for Sealing.

MIL-STD 810C, D AND E
Stamp of approval from the U.S. Military for use in rough environments.

ISO 9001 STANDARD
Compliance with ISO 9001 Standard - an international quality system assurance on design, development, production, installation and servicing of a product.

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